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OCT 16 2006

Amendment and Response

Serial No.: 10/672,814

Confirmation No.: 8914

Filed: 26 September 2003

For: DENTAL COMPOSITIONS AND METHODS WITH ARYLSULFINATE SALTS

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Amendments to the Specification

Please replace the paragraph beginning at page 12, line 24, with the following amended paragraph.

The electron donor is selected to have an oxidation potential and the electron acceptor is selected to have a reduction potential in a stated range. The oxidation and reduction potentials can be determined using cyclic voltammetry. As described in Assignee's copending U.S. Pat. Application Serial No. 10/672,762 [], filed September 26, 2003 (now U.S. Patent No. 7,030,169 (Kalgutkar et al.)) ~~on the same day herewith (Attorney Docket No. 58634US002)~~, the oxidation and reduction potentials are measured by dissolving the compound of interest in a non-aqueous solvent (i.e., N,N-dimethylformamide) containing a supporting electrolyte (i.e., 0.1 moles/liter tetrabutylammonium hexafluorophosphate). The resulting solution is purged with an inert gas such as argon. A three-electrode configuration is used that includes a working electrode (i.e., a glassy carbon electrode), a reference electrode (i.e., a silver wire in a 0.01 moles/liter solution of silver nitrate dissolved in acetonitrile), and a counter electrode (i.e., a platinum wire).

The oxidation or reduction potential is the voltage corresponding to the maximum current for the oxidation or reduction reaction.

Please replace the paragraph beginning at page 20, line 8, with the following amended paragraph.

Arylsulfinate salts can be prepared by methods similar to those disclosed, for example, in Assignee's copending U.S. Pat. Application Serial No. 10/672,762 [], filed September 26, 2003 (now U.S. Patent No. 7,030,169 (Kalgutkar et al.)) ~~on the same day herewith (Attorney Docket No. 58634US002)~~.

Please replace the paragraph beginning at page 47, line 6, with the following amended paragraph.

4-Cyanobenzenesulfinic acid, tetrabutylammonium salt (CBSA TBA) and 4-

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Carboethoxybenzenesulfinic acid, tetrabutylammonium salt (CEBSA TBA) were prepared by methods similar to those disclosed, for example, in Assignee's copending U.S. Pat. Application Serial No. 10/672,762 [[]], filed September 26, 2003 (now U.S. Patent No. 7,030,169 (Kalgutkar et al.)) ~~on the same day herewith (Attorney Docket No. 58634US002).~~